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Magyar Mezogazdasag.

HUNGARIAN WEATHER SUMMARY FOR OCTOBER 1950

Istvan Kulin

Prevailing weather during the first half of October was dry, milder during the day, and colder than usual during the might.

On 1 October, daily high temperatures were still above 25 degrees (all degrees in centigrade). Up to the 11th, the diurnal peak remained around 20 degrees, and from the 11th to the 16th, dropped to around 15 degrees, which is normal for the season.

From the lst to the 4th, low temperatures during the night ranged between 10 - 14 degrees and dropped below 5 degrees thereafter. On and after the 14th, there was a frost up to a height of $1\frac{1}{2}$ meters in some sections of western Hungary, in the northern hills, and on most of the great plain. With the frost, the temperature dropped to -2 and 24 degrees in most of the region east of the Danube.

Frost appeared on 5 October in the lowland counties. By the 14th, the frost had spread through most of the area east, and to many places west of the Danube. The temperature dropped to -2 and -5 degrees in the northcentral Hungary, -1 and -6 degrees in the northern hills and the great plain, and -7 and -8 degrees in Miskolc, Debrecen, and Turkeve.

Rainfail was country-wide on the lst, 3d and llth. Precipitation west of the Danube for the first 2 weeks of October generally amounted to 10 millimeters and exceeded 20 millimeters in the south. There was more than 30 millimeters' precipitation in Somogy, Tolna, and Baranya counties and 41 millimeters at Szigetvar. A precipitation greater than 20 millimeters was reported in many, scattered places in the northern hills and the great plain. Precipitation east of the Danube generally amounted to 10 - 20 millimeters. There was only 2 - 5 millimeters of rain in most of Szolnok, Hajdu, and Bihar counties.

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Precipitation exceeded the average in the southwest counties, but there was less than one half normal precipitation in most of the country, and less than one fourth normal in the center of the plains.

Upper layers of soil received sufficient rain to insure good conditions for plowing, planting, and crop cultivation, but not enough to soak the lower strata.

After the comparative dryness of the first half of the month, plentiful, quiet, soaking rains came in the second 2 weeks. By the 25th, daily high temperature dropped to 5 - 8 degrees in most of the country and 1 - 3 degrees was recorded during the noon hours at the western border.

Night frost intensified on the 23d and there was a $1\frac{1}{2}$ -meter high countrywide frost on the 23d and 24th, dropping the air temperature to -3 and -5 degrees. Surface soil everywhere was frosted on the 23d and 24th. Air temperature at the soil surface dropped to -5 and -8 degrees east of the Danube and in the eastern trans-Danubian area. There was no frost on the 25th and 26th because of a heavy overcast.

Rain fell throughout the country on the 17th to the 19th, but the most precipitation [of] the month, began with heavy rains on the 24th.

Precipitation from the 1st to the 27th was 50 millimeters or more except in the eastern hills, the area south of the Sajo - Hernad region, and the area between the Danube and Tiszs rivers. Precipitation at these places was at least over 40 millimeters. There was more than 50 millimeters' precipitation in three fourths of the country and precipitation exceeded 100 millimeters in most of Somogy and Tolna counties and in the northeastern corner of the country.

The appended map shows deviation from the average precipitation up to the 27th. Precipitation recommenced on the 27th.

Snow fell in the southwest and in the mountains of the trans-Danubian area on the 25th and 26th. The mountains in the vicinity of Sopron received 16 millimeters of snow on the 27th.

Rains beginning on the 24th soaked the subsoil sufficiently to guarantee complete crop cultivation.

Map follows...7

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